SUBJECT INDEX

ACETONITRILE

stratospheric abundance,
  ion composition measurements during MAP/GLOBUS, 685
  passive chemical ionization mass spectrometry, 715

AIRGLOW

contaminating glow due to rocket in airglow experiment, 1367
dayglow, OI(1304Å), issues relating to 'holes', 1297
gravity waves in airglow data interpretation, 851
gravity waves in nightglow observations of OI(5577Å), Na (5893Å) and infra-red OH emissions, 413
nightglow,
  OH bands, altitude distribution of vibrationally excited states, 1029
  OH bands, excitation and quenching mechanisms, 1137
  OH bands, gravity waves, 413
  OH bands, seasonal variability, 977
  OI (5577Å), gravity waves, 413
  OI (5577Å), AE satellite observations, deduced atmospheric motions, 1389
  $O_2(0,0)$ atmospheric band, excitation and quenching mechanisms, 1541
  $O_2(0, 1)$ atmospheric band, during northern polar winter, 1275
  O_2 ($^1\Delta_g$) depletions and mesospheric ionization, 1087
  variability, survey of research, 1449
twilight glow, OH bands and atmospheric temperature, 1149

ALFVEN WAVES
see HYDROMAGNETIC WAVES

ATOMIC AND MOLECULAR DATA
see REACTION KINETICS

ATMOSPHERE, TERRESTRIAL

composition,
  acetonitrile, stratospheric, mass spectrometry, 715
  acetonitrile, tropopause, measurement from aircraft, 259
  acetonitrile and sulphuric acid, 685, 693
  CFC -113 ($C Cl_2F-C Cl F_2$), stratospheric, 657
  H Cl and HF, stratospheric, 665
  neutral, thermospheric, storm-induced changes, 807
  NO, chemiluminescent balloon-borne sondes, 609
  NO, rocket-borne γ -band observations, 191
  NO_2 and NO_3, intercomparison, MAP/GLOBUS, 615, 631
  odd nitrogen, theoretical considerations, 637

ozone, MAP/GLOBUS measurements, 539, 547, 563, 587, 595, 603
trace gases, indicated wavelike disturbances, 673
trace gases, synoptic analysis and profiles, 525

density,
exospheric, radial dependence, 199
semi-annual variation, from spacecraft orbit analysis, 1127
thermospheric, global model, spacecraft orbit analysis, 1039
diffusive equilibrium, thermospheric, during magnetic storm, model, 1157
geopotential harmonics, satellite orbit analysis, 79
ion conductivity, balloon-borne measurements, 439
model, for global thermospheric and ionospheric data, 1167
motions,
gravity waves, nightglow observations, 413, 851
tides lunar, middle atmosphere, radar observations, 445
tides, solar, and travelling waves, deduced from satellite observations of mesospheric airglow, 1389
vertical, thermospheric, during magnetic storm, model, 1157
wave-like structures in trace gas measurements, 673
winds, meridional, from SAR arc observations, 1077
winds, thermospheric, from Fabry-Perod spectroscopy, 1255
winds, zonal, from satellite orbit analysis, 161
scale height, from satellite orbit analysis, 161
thermal structure, middle atmosphere, over a solar cycle, 21
temperatures,
mesospheric, twilight observations of airglow and Rayleigh scattered sunlight, 1149
middle equatorial atmosphere, response to solar activity, rocket data, 959
SAR arc observations, 1077
thermospheric, from E-region auroral emissions, 1317
thermospheric, from Fabry-Perot spectroscopy, 1255
thermospheric, mid-latitude, location of auroral oval, 241

AURORA

arcs,
altitude and position of aurora, iterative method, 245
dayside, fine structure, and field-aligned current reversals, 759
discrete, latitudinal structure, from interaction between sheared plasma flows, 1009
SAR, associated with isolated magnetic storm, 475
SAR, temperatures and meridional winds, 1077
breakup event, Poynting flux, directional correlations, 1287
emissions,
E-region height, and neutral temperatures, 1317
OII(7320-7330Å), satellite observations, 845
nitrogen ion emission lines, laboratory measured widths on electron excitation, 1471
N_2^+ first negative bands, modelling, sunlit aurora, 1061
oval, location at night, thermospheric temperatures, 241
plasma processes; electric fields, waves and particles, 353
precipitation, negative-ion photodetachment, radar observations, 27
radar echoes (LDE), observed with STARE, 153
radio, LHR noise, observed by sounding rocket, 127
X-rays in morning sector, VLF waves and equatorial electrons, 1231

BALLOON-BORNE EXPERIMENTS

ion conductivity measurements in stratosphere, 439
NO profiles, chemiluminescent sondes, MAP/GLOBUS, 609
ozone measurements, MAP/GLOBUS 1983, 587, 595, 603
whole air cryogenic samplers, intercomparison, MAP/GLOBUS, 647

BEAMS IN SPACE

electron,
  electromagnetic wave emission from, 11
  interaction with neutral gas, onset of beam plasma discharge, 1123

BOOK REVIEW

'Non-gravitational Perturbations and Satellite Geodesy'
by A. Milani, A.M. Nobili and P. Farinella; Reviewer: D.M.S. Walker

CFC's

CFC - 113 ($C Cl_2 f$ - $C Cl f_2$), stratosphere, MAP/GLOBUS, 657

COMETS

Giacobini-Zinner, water group ions, ion acceleration processes, 1323
ions, and low frequency electromagnetic waves, resonant interactions, 1501
Halley and Giacobini-Zinner, comparison of ion structures, 299

CONDUCTIVITY

ion, in stratosphere, balloon-borne measurements, 439

CONTAMINATION

ion perturbations, in vicinity of Shuttle, 501, 1463
optical, from rocket, airglow experiment, 1367
outgassing of H_2O^+ ions from Shuttle, 501

COSMIC RAYS

diurnal variations,
  cut-off rigidities, 39
  during 1973-79, survey, diffusive convection model, 1117
  during 1973-79, survey, solar diurnal, 1111
  heliospheric transport parameters, 45

COUPLINGS

E-B field correlations, direction of Poynting flux during auroral breakup event, 1287
magnetosphere-ionosphere, viscous interaction, resulting discrete arcs, 1009
solar-terrestrial fields, flux transfer events,
  closed structures in solar wind, statistical analysis, 727
  evolution of isolated reconnection, 513
  field and flow perturbations outside reconnected field lines, 227
  magnetic field and Poynting fluxes, 1181
  substrorm and Alfvén wave activity, 405
  substorm in geomagnetic tail, 451
  two-regime, 737

CRITICAL IONIZATION VELOCITY

turbulent heating and threshold conditions in, 345

CURRENT SYSTEMS

field-aligned,
  current reversals and fine structure in dayside auroral arc, 759
  dependence on ionospheric conductivity gradient, 1405
  generation, in magnetosphere-ionosphere coupling, 903
polar cap boundary, response to changes in IMF, 1301

DATA BASE

for global thermospheric and ionospheric model data, for VAX and personal computers, 1167

ELECTRIC FIELDS

atmospheric, from probe sensors on GEOS - 2, photolelectron emission from, 61
E-B field correlations, direction of Poynting flux during auroral breakup event, 1287
field-aligned, transient, inside plasma sheet, from measurement of energetic particles, 991
ionospheric, divergence around westward travelling surge, 1489
mapping in the auroral ionosphere, 1513

ELECTRONS

beams,
  artificial, in space, e.m. radiation from 11
  interaction with neutral gas, onset of beam plasma discharge, 1123
equatorial, interaction with VLF waves, related to auroral X-rays, 1231
inner radiation belt, sources, 1281
see also IONOSPHERE

ELECTROSTATIC WAVES

associated auroral F-region ion velocity distribution, 1429
at electron gyrofrequency, 867

ENERGY TRANSFER

from $O(^1D)$ atoms in collision with $O(^3P)$ atoms, 399

ELF WAVES
see HYDROMAGNETIC WAVES

GEOMAGNETIC FIELD

activity,
  forecasting, and proton showers, 487
  night-time variations at low latitude, 1523
see also MAGNETOSPHERE

GEOPOTENTIAL FIELD

model accuracy, the Goddard TOPEX gravity model, 997
see also SPACECRAFT

GRAVITY WAVES
see ATMOSPHERE, TERRESTRIAL, motions

HYDROMAGNETIC WAVES

Alfvén wave trains, interconnections between interplanetary and magnetospheric fields, 405
auroral LHR noise, observations from sounding rocket, 127
couplings in the magnetosphere, magnetic field and Poynting fluxes, 1181

ELF emissions,
  day-time model, 139
  narrow-banded, southern polar region, 745
  quasiperiodic, analytical model, 1267
IPDP, simultaneous observations in evening and morning sectors, 827
polarisation, state of compressional MHD waves, in low altitude cusp, 1561
pulsations,

associated with MHD waveguide in magnetospheric ducts, 1093
Pc1, duct propagation, ionospheric model, 91
Pc1, generation simulation in magnetosphere, 71
Pc1, spectra and some properties, complex shapes, 1381,
Pc1, two-fold and three-fold, fundamental frequencies of the cavity of the magnetosphere, 879
Pc3, at Davis, Antarctica, 1437
Pc5, polarisation characteristics, 429
Pi2, daytime bay characteristics, 799
quasiperiodic, small scale disturbances in low altitude cusp, 1553
TID, periodic, in both hemispheres following onset of auroral disturbance, 785
ULF (serpentine) emission in high latitude Antarctica, 313
VLF emissions,
interaction with equatorial electrons, related to auroral x-rays, 1231
quasiperiodic, analytical model, 1267
whistler mode, conjugate measurements at middle latitudes, 1053
whistler mode instabilities, quasilinear model, 753,
whistler mode, ray tracing propagation study, 1397

INTERFEROMETRY

Fabry-Perot, thermospheric wind and temperature measurements, comparison with exospheric values, 1255

INTERPLANETARY SPACE

fluctuations behind bow shocks, statistical properties, 1419
magneticfield,
configuration at 1 a.u., solar wind from flares, 793
interconnection with magnetospheric field, Alfvén wave trains, 405
response of polar cap boundary and current systems, 1301
magneto-electric parameters, criteria for causing intense magnetic storms, 1101
outer heliosphere, enhanced low energy ion fluxes, 1359
plasma density variations, forecasting geomagnetic activity, 487
scintillations, variations from disturbances, numerical modelling, 271

IONOSPHERE

auroral mesospheric, negative-ion photodetachment, radar observations, 27
collision frequency, ion-neutral, incoherent scatter data, 337
conductivity gradients, region II field aligned currents, 1405
D-region electron densities during PCA event, incoherent scatter data, 947
E-region, equatorial, electron temperatures, density and dynamics, 1
F-region,
auroral, ion velocity distribution in presence of large flows and electrostatic waves, 1429
electron temperatures and concentrations, theoretical relationship, 887
mesospheric ionization and $O_2(^1\Delta_g)$ depletions, 1087
morphology differences at high latitude and 500 km, 821
PCA event, observations by incoherent scatter, 947
scattering of e.m. waves by electron acoustic waves, 295
TID, periodic, following auroral disturbance, 785
westward travelling surge, electric field divergence, 1489

JUPITER

plasma, radial outward flow, model, 119

MAGNETOHYDRODYNAMICS

duct propagation of short-period wave, based on ionospheric model, 91
generation of field-aligned currents, magnetosphere - ionospheric coupling, 903
interaction of mass-loaded solar wind flow with blunt body, 1221
ion cyclotron beam anisotropy instability, 51
ionized plasma in topside ionosphere, the polar wind, 703

plasma cloud evolution in crossed ExB fields, model, 835
plasma flow,
  radial model for Jupiter, 119
  sheared, magnetosphere-ionosphere viscous interaction, structure of discrete arcs, 1009
resonances, structure for moderate azimuthal asymmetry, 1193
wave couplings in magnetosphere, magnetic field and Poynting fluxes, 1181
waveguide propagation of pulsations in magnetospheric ducts, 1093

MAGNETOSPHERE

auroral plasma processes; electric fields, waves and particles, 353
bow shock, interplanetary fluctuations, statistical properties, 1419
cavity, fundamental frequency, Pcl pulsations, 879
current reversals, field aligned, and fine structure in auroral arc, 759
E-B field correlations, direction of Poynting flux, 1287
flux transfer events,
  evolution of isolated reconnected flux tube, 813
  magnetic boundary signature, 871
  reconnections and substorms, 227, 405, 451
  two-regime, 737
geomagnetic field model in cislunar magnetotail region, 1347
geomagnetic response to magnetic clouds, 329
magnetopause,
  magnetic boundary signature within flux transfer events, 871
  tangential discontinuity, trapping of incident electrons, 483
magnetotail,
  cislunar region, quantitative model of geomagnetic field, 1347
  current sheet stress balance, asymmetrical lobe plasma conditions, 467
  lobe characteristics, quiet solar wind conditions, 285
  near earth and distant, simultaneous observations during substorm, 209
  reconnection, impulsive, substorm expansion, 1199
  reconnection model, substorm in collision-free plasma, 451
plasma sheet,
  energetic particles, field-aligned electric fields, 991
  magnetic field fluctuations, satistical properties, 289
polar wind, ionized plasma in topside ionosphere, 703
reconnections,
  flux transfer events, substroms, 227, 405, 451
  impulsive, magnetotail, during substorm expansion, 1199
  magnetically closed structures in solar wind, statistical analysis, 727
storms,
  causes, criteria of interplanetary parameters, 1101
  induced changes in thermospheric composition, 807
substorm,
  auroral, associated TID's in both hemispheres, 785
  expansion, impulsive reconnections, 1199
  isolated, associated SAR arc observations, 475
  near earth and distant magnetotail observations, 209
  reconnections and flux transfer events, 227, 405, 451
  westward travelling surge, 145

MAP/GLOBUS CAMPAIGN, 1983

acetonitrile and sulphuric acid concentrations, from ion composition measurements, 685, 693
balloon-borne cryogenic whole air samplers, intercomparison, 647
CFC-113 ($C Cl_2F - C Cl F_2$) in stratosphere, 657
descriptive introduction to MAP/GLOBUS campaign, 515
H Cl and HF concentrations, 665
NO profile, chemiluminescent balloon-borne sonde, 609
NO_2, observations from Solar Memospheric Explorer, 631
NO_2 and NO_3, intercomparison of measurements, 615
odd nitrogen, theoretical considerations, 637

ozone maps, observations, analysis and comparison, 539, 547, 563, 587, 595, 603
synoptic analysis and trajectories, trace gas profiles, 525
trace gas mixing ratios, disturbance of, 673

MASS SPECTROMETRY

active chemical ionization, aircraft borne, tropopause acetonitrile measurements, 259

NITROGEN

new emission bands, high resolution VUV spectrum, 267
nitrogen oxides,
  NO, stratospheric, MAP/GLOBUS, 609
  NO, thermospheric, rocket borne γ-band observations, 191
  NO_2, stratospheric, MAP/GLOBUS, 615, 631
  NO_3, stratospheric, MAP/GLOBUS, 615
  odd nitrogen, theoretical considerations, MAP/GLOBUS, 637

OSCILLATIONS

hydromagnetic, see HYDROMAGNETIC WAVES

OUTGASSING

from Shuttle, H_2O^+ ions, 501
from rockets, contamination of airglow measurements, 1367

OXYGEN

odd oxygen production, photodissociation of ordinary and isotopic molecular oxygen, 769

OZONE

mesospheric, depletion of, associated O_2 ($^1\Delta_g$) emission, 1087
stratospheric, analysis and comparison, MAP/GLOBUS, 539, 547, 563, 587, 595, 603

PULSATIONS

magnetic, see HYDROMAGNETIC WAVES

RADAR

incoherent scatter,
  EISCAT, polar cap absorption event, 947
  ion-neutral collision frequency, 337
long discrete echoes, Doppler spectrum, STARE, 153
lunar tides in middle atmosphere, 445
negative-ion photodetachment observations in auroral-zone mesosphere, 27

RADIATION BELTS

inner, sources of high energy trapped electrons, 1281

REACTION KINETICS

absorption cross-sections and band oscillator strengths of the Schumann-Runge bands of O_2 at 79K, 1067
electron impact excitation of N_2, laboratory measured line widths, 1471
energy transfer from $O(^1D)$ in collision with $O(^3P)$, 399
photodissociation of O_2 to produce odd oxygen, 769

RELEASE EXPERIMENTS

AMPTE,
  barium vapour, magnetic source of southward motion of solar wind, 493
  lithium cloud, velocity distribution function, 965

SCATTERING

electromagnetic waves by electron acoustic waves, simulated, 295

SCINTILLATIONS

in interplanetary disturbances, numerical modelling, 271

SOLAR WIND

disturbances in interplanetary region, modelling of scintillations, 271
interaction with blunt body, 1221
interaction with Venus, 1213
interplanetary shock, magnetic clouds and geomagnetic response, 329
plasma density variations, forecasting of storms, 487
protons,
  showers, from plasma density variations, 487
  temperature properties, 185
reconnections,
  magnetically closed structures, statistical analysis, 727
  terrestrial field, flux transfer events, 227, 405
southward motion, magnetic source of, AMPTE exp., 493
speed, latitude dependance, 913
streams from flares, configuration at 1 a.u. 793

SPACECRAFT

geopotential harmonics,
  order 15 and 30, orbit analysis, 79
  order 16, orbit analysis, 937
geopotential solutions, accuracy of the Goddard TOPEX gravity model, 997
GEOS-2, electric field probes, photo-electron emission from, 61
INTERCOSMOS 10 rocket,
  last 15 days, orbit analysis, 921
  scale height and zonal winds, 161
  semi-annual air density variation, orbit analysis, 1127
INTERCOSMOS 13 rocket,
  aspects of global thermospheric density model, orbit analysis, 1039
ions in wake of moving body, plasmaspheric and ionospheric conditions, 1477
potential (dc) discharge, by positive ions, 105
rocket, sounding, vehicle glow from outgassing, 1367
shuttle,
  emission of broadband electrostatic noise, 1373
  local thermal ion perturbations, 501,
  thermal ion complexities within spacelab 2 bay, 1463

SPECTROSCOPY

Fabry-Perot, thermospheric winds and temperatures, 1255
high resolution V.U.V. spectrum of N_2, new emission bands, 267

TIDES

atmospheric, see ATMOSPHERE, TERRESTRIAL, motions

TRACE GASES

stratospheric, MAP/GLOBUS 1983
  acetonitrile and sulphuric acid concentrations, 685, 693

H Cl and H F concentrations, 665
mixing ratios, disturbance of, 673
synoptic analysis of profiles, and trajectories, 525

TV EXPERIMENTS AT LOW LIGHT LEVELS

gravity wave observations from nightglow emissions, 413

VENUS

interaction with solar wind, 1213

WAVES

atmospheric, gravity, see ATMOSPHERE, TERRESTRIAL, motions
electrostatic, see ELECTROSTATIC WAVES
magnetic, see HYDROMAGNETIC WAVES

WHISTLERS

see HYDROMAGNETIC WAVES

X-RAYS

auroral, in morning sector, related to VLF waves and equatorial electrons, 1231

ZODIACAL LIGHT

brightness contribution, in and out of ecliptic plane, 1571
Doppler shifts in, 1021

AUTHOR INDEX

Abreu, V. J. 1389
Ahluwalia, H. S. 39, 45, 1111, 1117
Aimedieu, P. 563, 603, 673
Akasofu, S.-I. 913, 1405
Allan, W. 1181, 1193
Al'pert, Ya. L. 71, 879, 1381
Amoudei, M. 665
Appu, K. S. 21
Arijs, E. 673, 685
Armand, G. 615
Arnold, F. 259, 693, 715
Arshinkov, I. 1553
Attmannspacher, W. 563, 603, 673
Azpiazu, M. C. 1

Bailey, G. J. 887
Baker, D. N. 209
Banks, P. M. 11
Barbe, A. 547
Barbosa, D. D. 119
Barth, C. A. 631
Batten, S. 1167
Baumjohann, W. 483
Beard, D. B. 1021
Bhatnagar, V. P. 1301
Block, L. P. 1231
Bobrov, M. S. 793
Bochev, A. 1553
Borchers, R. 647, 657
Boulton, W. J. 161, 921, 1039, 1127
Brasseur, G. 637
Breus, T. K. 1213, 1221
Brillet, J. 547
Burrows, J. R. 1301
Burton, M. E. 285, 289
Buzevich, A. V. 1093

Cariolle, D. 637
Chaloner, C. P. 871
Chapman, S. C. 965
Cheng, Q. C. 1405
Cisneros, J. M. 563, 673
Clancy, R. T. 631
Clemesha, B. R. 1367
Coates, A. J. 965
Cogger, L. L. 845
Cole, K. D. 313, 1437, 1513
Comfort, R. H. 1477
Cornilleau-Wehrlin, N. 1231
Cowley, S. W. H. 227, 451, 467, 737, 1323

Dachev, Ts. P. 845
Dalgarno, A. 399
Daly, P. W. 209, 737, 1323
Dawkins, A. W. J. 547, 673
De Rudder, A. 637
Deehr, C. S. 1317
Degen, V. 1061
Delbouille, L. 665
Demuer, D. 673
Denig, W. F. 1123
Devanarayanan, S. 21, 959
Du, H. 1419
Duffet-Smith, P. J. 487
Dufour, B. 665
Duhau, S. 1
Dunlop, M. W. 493, 871

Ehhalt, D. H. 615
Elphic, R. C. 209, 227
Erdman, P. W. 1471
Esmond, J. R. 1067

Fabian, P. 609, 615, 631, 647, 657, 673
Farrugia, C. J. 227, 737, 871
Flentje, G. 609, 615
Fligel, D. S. 879
Forsyth, R. J. 1449
Frederick, J. E. 769
Frederick, P. 685
Freeman, D. E. 1067
Froment, G. 615, 673
Fry, C. D. 913
Fujita, S. 91
Fuller-Rowell, T. J. 1157, 1167

Ganguli, S. B. 703
Garcia, R. R. 977
Gary, S. P. 51
Geranios, A. 727
Gerdjikova, M. G. 845
Gibbins, C. J. 547
Godin, S. 547
Gogoshev, M. M. 845
Gold, R. E. 1359
Gonzalez, W. D. 405, 1101
Gray, L. J. 637
Grebowsky, J. M. 501, 821, 1463
Greer, R. G. H. 1137, 1541
Gupta, S. P. 439
Gusev, A. A. 1281

Hajkowicz, L. A. 785
Haldoupis, C. 153
Hall, D. S. 871
Hapgood, M. A. 413
Hargreaves, J. K. 947
Harker, K. J. 11
Hartmannsgruber, R. 563
Hayakawa, M. 1053, 1397
Helten, M. 615, 631
Henriksen, K. 1317
Hewish, A. 487
Hines, C. O. 851
Hirschi, D. C. 1021
Hori, N. 1009, 1489
Huguenin, D. 595, 615
Hunsucker, R. D. 785
Huuskonen, A. 337
Hwang, K. S. 1373
Hynds, R. J. 1323

Ingels, J. 673, 685
Iversen, I. B. 1231
Iwagami, N. 191

Jalonen, L. 337
James, H. G. 105
Johnstone, A. D. 965
Jones, D. E. 285, 289
Just, L. 1281

Kaila, K. U. 245
Kan, J. R. 145, 903, 1405
Kangas, J. 827, 1231
Karcher, F. 615, 665, 673
Killeen, T. L. 1255
Kim, J. S. 241, 475, 1077
King-Hele, D. G. 79, 937
Klein, E. 647
Knapska, D. 657
Knop, G. 259
Kornhyr, W. 563, 603
Korth, A. 1231
Kremser, G. 1231
Krueger, A. J. 539
Kruger, B. C. 657
Krymskii, A. M. 1213, 1221
Kudela, K. 1281
Kulessa, G. 647

Labitzke, K. 525
Lal, S. 657
Lanchester, B. S. 759
Langematz, U. 525, 673
Lanzerotti, L. J. 1359
Launay, F. 267
Lazarus, A. J. 285
Le Texier, H. 977
Leonovich, A. S. 1093
Lepping, R. P. 285
Llewellyn, E. J. 1137, 1149, 1541
Lopez-Moreno, J. J. 1029
Lopez-Puertas, M. 1029

Maclennan, C. G. 1359
Manson, A. H. 445
Marche, P. 547, 603, 665
Marklund, G. 1287

Matthews, W. A. 547, 563, 603, 609, 615, 673
McCormac, F. G. 1255
McDade, I. C. 1137, 1149, 1541
Meek, C. E. 445
Megie, G. 547, 603, 673
Meier, R. R. 1297
Meredith, N. 299
Mier-Jedrzejowicz, W. A. C. 493, 871
Misconi, N. Y. 1571
Mitchell, H. G., Jr. 703
Mitnitskii, V. Ya. 1221
Miyake, W. 185
Mobius, E. 345
Moffett, R. J. 887
Mohanakumar, K. 21, 959
Molina, A. 1029
Momchilov, G. 1561
Moore, P. 1039
Moreno, F. 1029
Morris, R. J. 313, 1437
Mukai, T. 185
Muller, S. 539
Murtagh, D. P. 1137, 1149, 1541
Murty, G. S. N. 241, 1077
Muto, H. 1397
Myrabo, H. K. 1275

Narayan, A. 439
Narayanan, V. 21
Nardi, B. 1255
Naudet, J.-P. 595, 615, 631
Nenovski, P. 1553, 1561
Nevejans, D. 673, 685
Nielsen, E. 153
Nishino, M. 127, 1053
de La Noe, J. 547, 603
Nygren, T. 337

Offermann, D. 515, 595, 615, 673
Ogawa, T. 191
Okano, S. 475
Olson, J. V. 827
Omidvar, K. 769
Ong, R. S. B. 295
Owen, C. J. 451, 467

Palmadesso, P. J. 703
Papadopoulos, K. 345
Parish, J. L. 1123
Parkhomov, V. A. 1093
Parkinson, W. H. 1067
Patz, H. W. 615
Pedersen, A. 61
Peetermans, W. 595, 615
Pelon, J. 547, 603
Penkett, S. A. 657
Pharo, M. W., III 501, 1463
Piel, A. 345
Pikkarainen, T. 827
Plateau, E. 595
Pommereau, J. P. 615
Poulter, E. M. 1181, 1193
Primdahl, F. 1287
Prolss, G. W. 807
Pugacheva, G. I. 1281
Pyle, J. A. 637

Raitt, W. J. 1123
Ranta, A. 947
Ranta, H. 947
Rees, D. 299, 1157, 1167
Rees, M. H. 759
Reese, N. 501, 1463
Reid, G. C. 27
Reimer, E. 525
Reiter, R. 673
Richardson, I. G. 209, 1323
Riedler, W. 1231
Rigaud, P. 595, 603, 615
Rijnbeek, R. P. 737, 871
Riker, J. F. 39, 45, 1111, 1117
Rippel, H. 595, 615, 673
Rishbeth, H. 1157
Robbins, D. E. 563, 587, 603
Rodrigo, R. 1029
Roland, G. 615, 665
Roncin, J.-Y. 267
Rostoker, G. 429
Roth, E.-P. 637, 647
Rothe, K. W. 673
Rothwell, P. 413
Rozhansky, V. A. 835
Rusch, D. W. 631
Rusk, E. T. 1571

Sahai, Y. 1367
Saito, H. 745
Samir, U. 1373, 1477
Sandahl, I. 1287
Sanderson, T. R. 1323
Sarafopoulos, D. V. 991
Sarris, E. T. 991
Sato, N. 745
Sauval, A. J. 665
Sazhin, S. S. 139, 753, 867, 1267
Schlager, H. 693, 715
Schmailzl, U. 637
Schmidt, R. 61
Schmidt, U. 647, 657, 673
Scholer, M. 209
Schriver, D. 51
Schunk, R. W. 353
Semenov, V. S. 1199
Sergeev, V. A. 1199
Shepherd, G. G. 845
Shizgal, B. 199
Shukla, P. K. 295
Sidneva, M. V. 1199
Simmons, P. A. 887
Simon, P. C. 595, 603, 615
Singh, N. 353
Smith, E. J. 285, 289
Smith, M. F. 871
Smith, R. W. 1255, 1317
Solomon, J. 1231
Solomon, S. 977, 1087
Southwood, D. J. 227, 493, 737, 871
Spear, K. A. 1087
Stadsnes, J. 1231
Stegman, J. 1149
Stening, R. J. 1523
Stone, N. H. 1373, 1477
Sullivan, B. T. 429
Suvanto, K. 1429

Takahashi, H. 1367
Tanaka, Y. 127, 1053
Tanskanen, P. 1231
Tappin, S. J. 271
Tarasick, D. W. 851
Taylor, H. A., Jr. 501, 1463
Taylor, M. J. 413
Thiemann, H. 353
Thomas, R. J. 631, 673
Thorne, R. M. 1501
Torkar, K. M. 1231
Tranquille, C. 1323
Treumann, R. A. 483
Tsendin, L. D. 835
Tsurutani, B. T. 209, 285, 289, 405, 1101, 1501
Tsyganenko, N. A. 1347
Tulunay, Y. K. 821
Turati, C. 547
Turunen, E. 947
Turunen, T. 947

Ullaland, S. 1231

Vandeneede, P. 615
de la Vega, M. 1
Veseth, L. 1317
Voskoboynikov, S. P. 835

Wagner, C. A. 997
Walker, D. M. C. 79, 937
Wallis, M. 299
Wedding, J. 631
Wei, F. 1419
Weinert, U. 199
Wenzel, K.-P. 1323
Whang, Y. C. 1419
White, S. P. 1181, 1193
Wilson, R. M. 329
Winch, D. E. 1523
Winterbottom, A. N. 921
Witt, G. 1149
Wraight, P. C. 1449
Wright, A. N. 813
Wright, K. H., Jr. 1373, 1477
Wuebbles, D. J. 637

Yamamoto, T. 1009, 1489
Yee, J.-H. 399, 1389
Yoshino, K. 267, 1067
Yoshino, T. 745
Yu, M. Y. 295
Yumoto, K. 799

Zander, R. 615, 665
Zawodny, J. M. 631
Zhang, D. Y. 1513
Zhu, L. 145
Zipf, E. C. 1471